FIELD TRIP TO STATE DATA CENTRE

Date: 13 February 2026

The Department of IT, ICFAI University, Mizoram visited the State Data Centre located on the 3rd Floor, Secretariat Building Annex-1, Treasury Square, Aizawl, Mizoram.

The State Data Centre (SDC) is a core IT infrastructure component established by the Government of India under the National e-Governance Plan (NeGP) and implemented by individual state governments to support e-governance service delivery.

Functions of the SDC

- Hosts web and application servers for government services and portals, ensuring high availability.

- Centralizes databases for various citizen, administrative, and departmental systems.

- Improves security and control through standardized cybersecurity practices and managed infrastructure.

- Supports IT scalability and manageability, reducing costs associated with distributed departmental servers.

Objectives of the Visit

- To understand the working of a State Data Centre.

- To study server management and networking systems.

- To observe security systems and preventive maintenance measures.

- To learn about disaster recovery systems.

Observations and Learning Outcomes

- The server room operates at a temperature between 18°C and 28°C, with humidity controlled between 40% and 60%.

- For proactive fire protection, the SDC is equipped with FM-200 gas-based fire suppression systems and a VESDA (Very Early Smoke Detection Apparatus) system.

- For power backup and reactive measures, there is a 160 kVA UPS system and three 100 kVA diesel generators. Data is backed up in cloud storage systems and at offsite locations.

- Before entering the server room, there is a staging room and a knock room.

  o A Staging Room is a preparation and testing area where new IT equipment is received, configured, and tested before installation in the main server room.

  o A Knock Room (also known as a mantrap or security vestibule) is a secure access control room located at the entrance of the server area.

- All doors are secured with card access control systems.

- The State Data Centre has a storage capacity of approximately 180 TB and supports around 706 processor cores.

- Most government websites and applications in Mizoram are hosted at the SDC.

- Photography is not permitted inside the server room.